



## Material Safety Data Sheet

### 1. PRODUCT AND COMPANY IDENTIFICATION:

<b>PRODUCT NAME</b>	<b>CALCIUM GREASE RED</b>
<b>CHEMICAL NAME</b>	<b>Lubricating GREASE NLGI 2</b>
<b>MANUFACTURER</b>	<b>Nandan Petrochem Limited,</b> <b>Nandan Petrochem Limited,</b> B-601 , Lotus Corporate Park , Ram Mandir Lane , Jay coach Junction , Western Express Highway , Goregaon East , Mumbai -400063 India. <a href="tel:91-22-42577200">Tel:91-22-42577200</a> , 02232031075, Fax  +91-22-25545864 Email:info@nandangroup.

### 2. Composition and Ingredients

Components	CAS no.	Range in %
Highly Refined Mineral base Oil	Proprietary	85-90
Soap thickener and performance additive	Proprietary Mixture	10-15

### 3. Health Information

<b>Main hazards</b>	Not a dangerous preparation according to 1999/45/EC
<b>Adverse human health effects</b>	None under normal conditions
<b>Environmental hazards</b>	No specific risk for the environment
<b>Eyes</b>	Not expected to present a significant eye contact hazard under anticipated conditions of normal use
<b>Oral</b>	Ingestion of this product and subsequent vomiting can result in aspiration into the lungs, causing chemical pneumonia and lung damage
<b>Inhalation</b>	Not expected to present a significant inhalation hazard under anticipated conditions of normal use
<b>Skin</b>	Not expected to present a significant skin hazard under anticipated conditions of normal use
<b>Note</b>	Handle material in pressure equipment with care. Accidental injection can cause serious tissue damage. Please refer to section 4 (First Aid Measures) of this Safety Data Sheet

#### 4. First Aid Measures

<b>Eyes</b>	Flush eyes immediately with fresh water for several minutes while holding the eyelids open. If irritation persists, see a doctor
<b>Skin</b>	Wash skin thoroughly with soap and water. If skin irritation persists or a rash develops as a result of excessive contact, see a doctor. Launder contaminated clothing
<b>Ingestion</b>	Do not induce vomiting. Seek medical attention immediately.
<b>Inhalation</b>	Assure fresh air breathing. Obtain medical attention if breathing difficulty persists.
<b>Advice to Doctor</b>	Treat Symptomatically
<b>General information</b>	High Pressure Applications: Accidental high-velocity injection under the skin of material of this may result in serious injury. Seek medical attention at once should an accident like this occur. The initial wound at the injection site may not appear to be serious at first, but, within 24 hours, there is usually extensive swelling, discoloration and intense pain in the affected part. Requires immediate treatment at a surgical emergency center; else disfigurement or amputation of the affected part may occur. Treatment may include 1) surgical decompression, debridement and drainage, 2) broad-spectrum antibiotic and 3) anti-inflammatory

#### 5. Fire Fighting Measures

<b>Suitable extinguishers</b>	Water fog. Carbon dioxide .Dry chemical. Foam
<b>Extinguishers not to be used</b>	Do not use a heavy water stream
<b>Surrounding fires</b>	Use water spray or fog for cooling exposed containers
<b>Special exposure hazards</b>	None under normal conditions
<b>Protection against fire</b>	None under normal conditions. See also hazardous reactions
<b>Special procedures</b>	None identified

#### 6. Accidental Release Measures

<b>Personal Precautions</b>	Keep public away from danger area. Wear recommended personal protective equipment. Equip cleanup crew with proper protection
<b>Environmental precautions</b>	Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.
<b>After spillage and/or leakage</b>	Sweep or shovel spills into appropriate container for disposal. Cover spills area with oil adsorbent. Spill area may be slippery.
<b>After spillage and/or leakage-on soil</b>	May require excavation of contaminated soil

## 7. Handling and Storage

<b>General</b>	No naked lights. No smoking. Direct sunlight and heat sources to be avoided. Keep away from sources of ignition.
<b>Precautions in handling and storage</b>	Handle in accordance with good industrial hygiene and safety procedures.
<b>Storage</b>	Keep container closed when not in use. Keep only in the original container in a cool, well-ventilated place. Keep at temperature not exceeding 45°C.
<b>Handling</b>	Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

## 8. Exposure Control/Personal Protection

### Personal Protection

<b>Respiratory Protection</b>	No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation
<b>Hand Protection</b>	Use neoprene or rubber gloves
<b>Eyes</b>	Safety glasses
<b>Skin</b>	No special clothing/skin protection equipment is recommended under normal conditions of use. In case of possible repeated skin contact wear protective clothing
<b>Industrial Hygiene</b>	Provide local exhaust or general room ventilation to minimize dust and/or vapor concentrations. When using, do not eat, drink or smoke. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure
<b>Occupational Exposure Limits</b>	None established

## 9. Physical and Chemical Properties

<b>Physical State</b>	Semi-Solid
<b>Color</b>	RED
<b>Odor</b>	Mild
<b>Worked Penetration, 60 strokes @ 25°C.</b>	265-295
<b>Dropping Point, °C</b>	>100
<b>Solubility in Water</b>	Negligible
<b>Flash Point, °C, ASTM D 92</b>	200 Min. (Based on Mineral oil)

### 10. Stability and Reactivity

<b>Physico-chemical stability</b>	Stable
<b>Conditions to avoid</b>	Open flame. Direct Sunlight. Overheating.
<b>Material to Avoid</b>	Oxidizing
<b>Hazardous decomposition Products</b>	Carbon dioxide. Carbon Monoxide
<b>Hazardous reactions</b>	None Under normal conditions
<b>Hazardous Polymerization</b>	Will not occur

### 11. Toxicological Information

Acute toxicity	Not expected to be toxic
Inhalation	Practically non-toxic at normal conditions of usage. May cause respiratory irritation following prolonged or repeated inhalation of excessive oil mist and vapors.
Dermal	Not expected to be a primary skin irritant. Prolonged or repeated exposure may lead to dermatitis.
Ocular	Repeated exposure may cause a slight irritation.
Ingestion	Practically non-toxic if ingested in small doses. Larger quantities may cause nausea and diarrhea.
Chronic toxicity	Not expected to be toxic
Sensitization	No sensitization effects known
Carcinogenicity	No data available. The ingredients used in this preparation have not been listed in the US National Toxicology Program (NTP) nor have they been classified by the International Agency for Research on Cancer (IARC) as carcinogenic or probably carcinogenic to humans
Mutagenicity	Not expected to be mutagenic hazard

### 12. Ecological Information

<b>Environmental Effects</b>	Adverse effects to the environment are not expected from this product
<b>Persistence and Degradability</b>	Inherently Bio-degradable
<b>Bio accumulative Potential</b>	Not determined
<b>Mobility soil</b>	No data available

### 13. Disposal Considerations

<b>Waste Disposal</b>	Dispose in safe manner in accordance with local/national regulations
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#### 14. Transport Information

Transportation of Dangerous	Not Applicable
UN Number	Not Applicable
Dangerous Goods Class	Not applicable
Hazchem Code	Not applicable
Additional Information	None Determined

#### 15. Regulatory Information

EC labeling	Not classified
Regul. EINECS	All components are in compliance with the EC Seventh amendment Directive 92/32/EEC
SARA-USA	Section 311 and 312 hazards classification (S): none
US Toxic Substances Control Act –TSCA	Incompliance

#### 16. Other Information — No specific notes on this product.

**Note:** The above data is based on the information presently available to us. The data provided is without any warranty, express or implied, regarding its reactions and accuracy. It is the user's responsibility to determine safe conditions for use of this product and to assure liability for loss, injury, damage or expense resulting from improper use of this product.